

ABSTRACT OF THE DISCLOSURE

A P-BRO interleaver and a method for optimizing parameters according to an interleaver size for the P-BRO interleaver. The P-BRO interleaver sequentially, by columns, arranges an input data stream of size N in a matrix having 2^m rows and $(J-1)$ columns, and R rows in a J th column, P-BRO interleaves the arranged data, and reads the interleaved data by rows.